

Annual Drinking Water Quality Report for 2007

The Calvert Manor Corporation

Accokeek, Maryland

PWSID 0160004

Prepared - June 2008

We're pleased to present this year our eighth **Annual Drinking Water Quality Report**. The following report is provided in compliance with federal regulations and is provided annually. This report outlines the quality of our finished drinking water and what that quality means. Our constant goal is to provide you with a safe and dependable supply of drinking water, and we want you to understand the efforts we make to ensure the quality of your water. Last year, as in years past, your tap water met all EPA and state drinking water health standards. Once again we are proud to report that our system has never exceeded a maximum contaminate level or any other water quality standard.

Where does my water come from?

The sources of our drinking water are the groundwater in the Patapsco Aquifer, which our wells tap about 372'(feet) to 635'(feet) below the surface. An aquifer is an underground river or reservoir of water, which is tapped by drilling wells and pumping the water to the surface for distribution. The impervious layers of earth between surface sources of contamination and this underground river help protect it. The sands of the aquifer help to purify the water, making it easier for us to chlorinate it before we pump it into your water distribution system. See the map on the Calvert Manor Phone Directory (not attached) for the location of the wells.

How do I get more information about my water system?

If you have any questions about this report or concerning your water utility, please contact the President of the Calvert Manor Corporation (CMC), Michael White at (301) 292-4509 or System Operator Julio Abot at 301-203-1984 or Bob Harrington at 301-203-0002 (harringer@yahoo.com). You may also contact any of the directors listed in this report. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled CMC Board meetings. They are held on the second Tuesday of every month beginning at 8:00 p.m. Contact Eric McDonald at (301) 203-1587 for the location, which changes monthly.

Why are there contaminants in my drinking water?

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Definitions

In this report you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

Parts per million (ppm) or Milligrams per liter (mg/l) - One part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Picocuries per liter (pCi/L) - Picocuries per liter is a measurement of the radioactivity in water.

Following is a list of potential drinking water substances that Calvert Manor Corporation is required to test for or substances that have been detected (with date of last test).

RESULTS FROM CALVERT MANOR SYSTEM: CONTAMINANT LEVEL DETECTED

	Contaminant	Dates (last) Sampled	Result/Unit	MCL	MCLG	Notes
M	Total Coliforms (including fecal coliform and E. Coli)	Monthly 2007	0	5.0%	Zero	Not a health threat in itself; it is used to indicate whether other potentially harmful bacteria may be present. Are naturally present in the environment as well as feces; fecal coliforms and E. Coli only come from human and animal fecal waste.
IOC	Nitrate-N (measured as nitrogen)	9/26/07	<0.05 mg/L	10 mg/L	10 mg/L	Infants below the age of six months may become seriously ill. Symptoms may include shortness of breath and blue baby syndrome. (Runoff from fertilizer use; leaching septic tanks, sewage; erosion of natural deposits)
IOC	Nitrite-N (measured as nitrogen)	9/26/07	<0.05 mg/L	10 mg/L	10 mg/L	Infants below the age of six months may become seriously ill. Symptoms may include shortness of breath and blue baby syndrome. (Runoff from fertilizer use; leaching septic tanks, sewage; erosion of natural deposits)
IOC	Barium	9/26/07	0.16 mg/L	2 mg/L	2 mg/L	Increase in blood pressure - Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
IOC	Mercury	9/26/07	<.001 mg/L	.002 mg/L	.002 mg/L	Kidney damage - Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands
	Nickel	9/26/07	<.005 mg/L			
IOC	Beryllium	9/26/07	<.002 mg/L	0.004 mg/L	0.004 mg/L	Intestinal lesions - Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
IOC	Selenium	9/26/07	<.01 mg/L	.05 mg/L	.05 mg/L	Hair or fingernail loss; numbness in fingers or toes; circulatory problems - Discharge from petroleum refineries; erosion of natural deposits; discharge from mines
IOC	Thallium	9/26/07	<.002 mg/L	.0005 mg/L	.002 mg/L	Hair loss; changes in blood; kidney, intestine, or liver problems - Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
	Sodium	9/26/07	79 mg/L			

IOC	Fluoride	9/26/07	1.38 mg/L	4.0 mg/L	4.0 mg/L	Bone disease (pain and tenderness of the bones); Children may get mottled teeth - Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
IOC	Antimony	9/26/07	<.002 mg/L	.006 mg/L	.006 mg/L	Increase in blood cholesterol; decrease in blood sugar - Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
IOC	Arsenic	9/26/07	<.002 mg/L	0 mg/L	.01 mg/L	Skin damage or problems with circulatory systems, and may have increased risk of getting cancer - Erosion of natural deposits; runoff from orchards, runoff from glass & electronics production wastes
IOC	Cadmium	9/26/07	<.005 mg/L	.005 mg/L	.005 mg/L	Kidney damage - Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
IOC	Chromium	9/26/07	<.005 mg/L	.1 mg/L	.1 mg/L	Allergic dermatitis - Discharge from steel and pulp mills; erosion of natural deposits
DBP	TTM Total Trihalomethanes	6/4/07	2.5 ug/L	na	.06 mg/L	Increased risk of cancer - Byproduct of drinking water disinfection
DBP	HAA5 Haloacetic Acids	6/4/07	1.04 ug/L	na	.07 mg/L	Liver, kidney or central nervous system problems; increased risk of cancer - Byproduct of drinking water disinfection

M = Microorganism IOC = Inorganic Chemical OC = Organic Chemical DBP = Disinfection Byproduct

The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. It is important to understand that the detection of these substances in the drinking water does not constitute a known threat to public health because they were found only at levels less than the MCL and below the level that EPA currently feels may constitute a health threat. MCL's are set at very stringent levels, and the CMC's water has proved to be below those levels for the constituents listed above.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791). Additional information is available at EPA drinking water web site (www.epa.gov/safewater).

The Calvert Manor Corporation is required to monitor its distribution system for coliforms on a monthly basis. The results of the analysis were zero for coliforms and therefore the quality of the water continued to meet the requirements of the Safe Drinking Water Act. If you have any questions please contact Julio Abot at (301) 203-1984.

We are pleased to continue providing your family with clean, quality water. To maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. In 2001, we replaced the No.1 well with a new well and upgraded the electrical and control system at the Pump House.

The Calvert Manor Corporation Board is composed of seven elected volunteer directors. A list of all directors and the positions held may be provided upon request. Together with a bookkeeper / system operator, we strive to provide each resident of Calvert Manor high quality drinking water at a reasonable price. All of us are your neighbors.

For water system problems contact:

Julio Abot, System Operator (301) 203-1984
Mike White, President (301) 292-4509
Bob Harrington (301) 203-0002

Bob Harrington (email address) harrin@ yahoo.com

For questions about this report or other CMC concerns contact:

Mike White, President (301) 292-4509
Leonard Koeberg, Vice President (301) 203-6904
Julio Abot, Second Vice President and System Operator (301) 203-1984
Ernie Doyle, Treasurer (301) 292-5697
Bob Harrington, /Bookkeeper (301) 203-0002

For stock transfers contact:

Leonard Koeberg (301) 203-6904

To attend any of our regularly scheduled CMC meetings, contact:

Eric McDonald, Secretary (301) 203-1587
(Location changes monthly)

For billing questions contact:

Bob or Thelma Harrington, Bookkeepers (301) 203-0002